

3                   a plurality of molding units for producing pellets from a powder mixture by  
4 compression molding mounted at equal intervals on a circle about the center of rotation of the  
5 rotary disk; and

6                   an insertion assembly station mounted at an appropriate position on a movement  
7 path of the molding units for inserting the molded pellet into a case.

1                  46. (New) A rotary type powder compression molding assembly system according to  
2 claim 45, wherein the molding unit comprises:

3                   a substantially cylindrical die;  
4                   a center pin mounted in the axial center of the die; and  
5                   a lower plunger and an upper plunger for compressing the powder mixture  
6 supplied in an annular molding space defined between the die and the center pin, so that the pellet  
7 is assembled into the case by being pushed up into the case located coaxially above the die at the  
8 insertion assembly station by the action of both the lower plunger and the center pin and lowering  
9 the center pin thereafter while the pellet is supported by the lower plunger.

1                  47. (New) A rotary type powder compression molding assembly system according to  
2 claim 45, wherein a plurality of the insertion assembly stations are provided so that the pellets  
3 formed at each of the molding units located between the insertion assembly stations are inserted  
4 into the case immediately after the compression molding at the next insertion assembly stations.

1                  48. (New) A rotary type powder compression molding assembly system according to  
2 claim 47, wherein the insertion assembly station is provided in a pair, and further comprises:

3                   a case carrying-in means for feeding the cases into one insertion assembly station, a  
4   series of case holding means for holding and conveying the cases loaded with the pellet to another  
5   insertion assembly station; and

6                   a case carrying-out means for removing the cases after being loaded with the pellet  
7   at each insertion assembly station.

1               49. (New) A rotary type powder compression molding assembly system according to  
2   claim 48, wherein each of the case holding means is mounted on the rotary disk corresponding to  
3   each molding unit and is constructed to hold and retract the case loaded with the pellet at the first  
4   insertion assembly station to its retracted position beside the molding unit, and to advance the  
5   case to the movement path of the molding units at the next insertion assembly station.

1               50. (New) A rotary type powder compression molding assembly system according to  
2   claim 48, wherein the case is held by a conveyor member, which is conveyed and positioned by  
3   the actions of the case carrying-in means, the case holding means, and the case carrying-out  
4   means.

1               51. (New) A rotary type powder compression molding assembly system according to  
2   claim 48, wherein the case holding means is mounted to one end of an operating lever which is  
3   mounted on the rotary disk corresponding to each molding unit, the operating lever being  
4   rotatably connected to the rotary disk with a cam follower at the other end thereof engaged with a  
5   cam disposed coaxially with the rotary disk, the cam having a retraction cam surface for holding  
6   the case holding means at its retracted position beside the molding unit and an operating cam  
7   surface for causing the case holding means to advance to and retract from the movement path of  
8   the molding unit.